PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021

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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 41557-236442 DESIGNATED/ELECTED OFFICE (DO/EO/US) Not Yet Associated **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/GB2005/001005 16 March 2005 18 March 2004 TITLE OF INVENTION RADIATION TOLERANT CCD STRUCTURE APPLICANT(S) FOR DO/EO/US Peter J. Poole Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must 3 include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) WO 2005/091623 A1 5. X is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. (PCT/IB/308 attached) is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. x are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. d. x have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 9. x An English language translation of the annexes of the International Preliminary Examination Report under PCT 10 Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with Form PTO/SB/08A. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is 12. X included. A First Preliminary Amendment. 13. X An Application Data Sheet under 37 CFR 1.76. X A substitute specification. 15. 16. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 17 A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 19

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. ATTORNEY'S DOCKET NUMBER INTERNATIONAL APPLICATION NO. 41557-236442 Not Yet Assigned PCT/GB2005/001005 Other items or information: **Return Receipt Postcard** Submission of Formal Drawings Transmittal with Figs. 1-6 (3 sheets) International Search Report Form PCT/IB/304 Form PCT/IB308 (Second and Supplementary Notice) Form PCT/ISA/237 (Written Opinion) The following fees have been submitted **CALCULATIONS PTO USEONLY** 300.00 21. x Basic national fee (37 CFR 1.492(a))......\$300 22. x Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report 200.00 \$ prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).... . \$0 All other situations Search fee (37 CFR 1.492(b)) Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$ 400.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB......\$400 All other situations \$ 900.00 TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction RATE Extra Sheets **Total Sheets** thereof (round up to a whole number) - 100 = /50 = x \$250.00 Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)). RATE NUMBER FILED NUMBER EXTRA 0.00 Total claims 13 - 20 =0.00 1 - 3 = Independent claims MULTIPLE DEPENDENT CLAIM(S) (if applicable) 900.00 TOTAL OF ABOVE CALCULATIONS = Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. 900.00 SUBTOTAL = \$ Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). 900.00 **TOTAL NATIONAL FEE =** \$ Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + 40.00 \$ \$ TOTAL FEES ENCLOSED = \$ 940.00 Amount to be \$ refunded: Amount to be \$ 940.00 charged

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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. __ to cover the above fees is enclosed. A check in the amount of \$ Please charge my Deposit Account No. 22-0261 in the amount of \$ 940.00 to cover the above fees. A fee transmittal sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit 22-0261 . A fee transmittal is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038 NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Robert Kinberg NAME CUSTOMER NUMBER: 26694 26,924 REGISTRATION NUMBER #785610